

Improved Apparatus, System and Method for Dispensing Paper from a Paper Roll

Abstract

A paper roll dispensing apparatus in accordance with the invention comprises outer winding separation and inner winding restraint means for restraining inner windings of the paper roll from unrolling while simultaneously separating an outer winding of said paper roll from its inwardly-adjacent winding, and tension-supplying means for pressing a restraining edge of the outer winding separation and inner winding restraint means against an outside layer of the paper roll, both when the paper roll is substantially full and as the paper roll becomes depleted. Preferably, the paper roll also comprises tack adhesive means for adhering successive windings of the paper roll to one another when the outer winding is not pulled away from its inwardly-adjacent winding and simultaneously enabling the adhesion to be broken without substantial tearing of the paper when the outer winding is pulled away from its inwardly-adjacent winding. An embodiment in which induced curling of the paper is used to facilitate dispensing is also disclosed.